

## Postwar Scandinavian Economy Viewed by FSSP Reporters

By EARL W. EAMES

The author of the following report, Earl W. Eames, Jr., '49, was the originator and first director of Technology's Foreign Student Project. He and two other Technology students who have worked on the project are touring Europe to evaluate the results of the program and to make plans for enlarging its scope. As it is presented here in abridged version, the report is the first of several which are to be sent to the FSSP administration at the Institute. It deals with the travelers' experiences in Scandinavia last summer, and will be presented in several installments.—Ed.

DENMARK: June 30-July 14  
Copenhagen, Zealand, Aarhus, Aalborg

### General Observations

We had a fine introduction to "agricultural Denmark." On our way to Copenhagen from London we flew low across South Denmark and saw what appeared to be the finest farm land in the world. We were later told that this land was actually quite poor. The hard working Danes manage to do wonders with very bad soil and produce amazing quantities of food and dairy products.

### The Danish Economy

During the first few days in Denmark we discussed economic problems with the Minister of Finance, the Minister of Commerce, and the Deputy Chief of the ECA mission in Copenhagen. After further observations in the field we were left with certain definite impressions.

The Danish economy may be briefly described as follows: Oil seeds are imported and pressed. Margarine is made from the oil and sold on the local market and the oil cake is fed to the cattle. The dairy industry exports butter and cheese, while the skimmed milk is fed to the swine, and ham and bacon are exported. The difference between the cost of the oil seeds and the price of the agricultural exports pays for the industrial goods and raw materials which Denmark must import.

Thus the structure of Danish trade and industry presupposes imports of raw materials from overseas—to a large extent from the Western Hemisphere—while exports must largely be marketed in Europe. Fifty per cent of all exports are made to Great Britain. The dollar problem is therefore severe.

In our informal survey we found that there was in general a good understanding of ECA. At a large agricultural fair there was an excellent display, prepared by the Danish government, explaining the Marshall Plan. A large slogan across the top said: "The Marshall Plan is not a pillow to sleep on!" and went on to explain how much work is still needed to reach the goals set by the government. Fifteen per cent of Denmark's total imports this year will come under Marshall aid.

It appears to me that while Denmark is doing much to help herself she could do much more. "Austerity" is not in the vocabulary, and the government is having a difficult time making any long term plans with any actual meaning. The Minister of Commerce complained to us about not being able to sell butter in the United States, blaming the tariff for all of his trouble. I explained that they must do a real job of selling to the American market—that if Denmark would place butter in New York with a pink stripe down the center, wrapped in metal foil and cellophane, and print on the outside "the Best Butter in the World," or some such slogan, they would have a chance to sell. People in Europe don't seem to realize the selling technique needed to do a

## The Tech Places Second As Dever Wins Bridge Race

Just about all Boston, let alone the majority of Technology students, are pretty well aware of the grand bridge opening ceremony last Wednesday, although a few things of importance did escape general detection. Not the least of these is the fact that the opening was instigated by The Tech and aided in a small way by a certain college humor magazine, which shall be nameless.

One of the most interesting features of the rally was the way in which advance information regarding the departure of Governor Dever's official party from the Hotel Kenmore was received. A man stationed at the hotel phoned the Theta Delta Chi fraternity house on Memorial Drive, where the information was relayed by The Tech walkie-talkie to the bridge. This enabled the crowd to march across the bridge just in time to greet the governor.

Although the planned car race had to be cancelled due to the presence of two unforeseen ten-ton trucks at the ends of the bridge, nevertheless, just as the trucks were rolled away a sleek maroon Cadillac convertible which had been previously secreted in a nearby alley slid in front of Governor Dever's limousine, and gaily proceeded across the bridge in front of the official motorcade. Unfortunately, four of Boston's finest, perhaps guessing the car was not Governor Dever's (it contained about ten The Tech men, a brass band, and two clowns), stopped it before it got far.

However, the The Tech car had the honor of being first across the bridge behind Governor Dever, making the trip in less time than it

(Continued on Page 4)

good job on the American market, and they are not ready for such a job.

A good comparison of the four Scandinavian economies might be in order at this point. As regards government control and planning of exports, we found the following to be true:

**NORWAY:** Government plans year's program in advance. If exporters are not following program, the government tells them they must and they do.

**DENMARK:** Government plans year's program in advance. If exporters are not following program, the government tells them they must. Exporters argue, finally agree.

**SWEDEN:** Government plans year's program in advance. If exporters are not following program, the government tells them they must. Exporters tell government they won't. And they don't!

**FINLAND:** Government plans

(Continued on Page 4)

## T.P. CONTEST WINNERS AND DATES



Photo by Astrachan

Five Techmen in rear smile victoriously after snaring five models in front. For names, see story below.

## L. S. C. Presents Concert Nov. 22

Schneider, Kirkpatrick Play Chamber Music

A concert by Alexander Schneider, violinist, and Ralph Kirkpatrick, harpsichordist, will be presented in Room 10-250 on Tuesday, November 29, at 8:30 p.m. by the Lecture Series Committee in conjunction with the Elizabeth Sprague Coolidge Foundation in the Library of Congress and the Division of Humanities. Free tickets will be available to students only, in the Information Office, Building 7, on Tuesday, November 22, at 12:30 p.m.

The repertoire of these well-known men includes some of the finest chamber music of the eighteenth century, hitherto rarely heard in its original form. They have recently completed a series of recordings for Columbia which will be released shortly.

## N. S. A. Sponsors Classical Program

The National Student Association will sponsor a concert by the First Veterans' Symphony Orchestra. Only students will be admitted to the program to be held Wednesday, November 30, at 8:00 p.m. at Rindge Technical Auditorium.

On the program will be overture to Orpheus in Hades by Offenbach, Siegfried Idyll by Wagner, Andante Cantabile by Tchaikowsky, Carmen Suite by Bizet, Slavonic Dance No. 11 by Dvorak, and the London Suite by Coates. One hundred tickets priced at \$.90, \$1.20, and \$1.80 will go on sale shortly in Building 10.

### Stone Conducts

Sayard Stone, conductor of the Veterans' Symphony, has had two years of graduate work in conducting and composition at the Juilliard School of Music. At present a Faculty Assistant at the Boston University College of Music, he has studied privately with Nicolas Slonimsky and Richard Burgin and received a scholarship two summers ago to work with Leonard Bernstein at the Berkshire Music Center.

All of the orchestra's members, except one who served with Irving Berlin in World War I, are veterans of the Second World War. Many have had experience with other Symphony orchestras including the Boston Symphony, and Boston Pops, orchestras in Baltimore, Houston, Minneapolis, Springfield, and Seattle.

Although the group had its debut only a year ago, it has received favorable comment from such publications as Musical America and Musical Courier.

## Five Students Win Beautiful Dates As Ticket Sales Open

Tech's-a-poppin', in a contest held on the steps of Building Ten last Thursday, gave five beautiful belles to the five Tech students who showed the models that their lines and looks were the best of those assembled.

The lucky winners were (see picture this page), left to right, Enrique Rodriguez, '50; Thomas Kelly, '51; Murray Blume, '53; Carol Belton, '50; Fred Rayfield, '50; and their dates: are, left to right, Toni Carr, Anne Howe, Jan Watts, Pat Palma, and Brik Tone.

This contest opens ticket sales; they are available in the lobby of Building Ten. The prices are as follows: one couple for entire weekend \$2.75; couple for one night \$3.00; single for one night \$2.00; basketball game only \$0.90; hockey game tickets will be sold at the gate.

Under a policy new to T.P. this year, the committee has announced that all who bought their tickets during the advanced period may have seats in the reserved sections.

## Debaters to Oppose Red Instructors In Nation's Schools

To Face Harvard Team On Communism Question At Thursday Debate

William G. Roads '51, and Roy Weinstein '51, will represent the Technology Debating Society in a special series debate with Harvard, Thursday, November 17, at 5:00 p.m. in Room 4-270. The topic of the debate will be, "Resolved: that Communists should not be allowed to teach in our colleges."

Judges for the occasion will be John E. Burchard, Dean of Humanities, Dr. Hans Mueller, Professor of Physics, and William C. Green, Professor of English. As an added part of the program the judges will be given an opportunity to state their views on the question.

The Technology team will take the affirmative stand on the question, that is, the stand that Communists should not be allowed to teach in our colleges.

President Killian, in his annual report, has stated that the Institute's position is one of "unequivocal opposition to communism and to any external control of the teacher which requires him to distort his teaching or research in accord with any 'party line.'"

## Hopkins Univ. President Will Lecture Here

Dr. Bronk To Deliver A. D. Little Lectureship Next Tues., Morss Hall

The 1949 lecture of the Arthur D. Little Lectureship will be given on Tuesday, November 22, at 8:30 p.m. in Morss Hall. Dr. Detlev W. Bronk, President of Johns Hopkins University, will speak on "The Unity of the Sciences and the Humanities." Student tickets are available at the Information Office.

A well-known theorist concerning the place of science and liberal arts in a college education, Dr. Bronk holds firm in his belief that specialized scientific colleges should not "assume the function of a trade school." Liberal arts colleges on the other hand should not merely "provide entertainment for the masses."

Universally known as a physicist and physiologist, Dr. Bronk before going to Johns Hopkins was director of the Eldridge Reeves Johnson Foundation for Medical Physics at the University of Pennsylvania. Dr. Bronk's scientific achievements include new methods for the measurement of changes in nerve cells while nervous impulses travel to the brain.

A graduate of Swarthmore College, Dr. Bronk received his Ph.D. from the University of Michigan in 1926. After studying at the famous physiological laboratories at Cambridge and London, he started on a career in biophysics. His first appointment was to the Johnson Foundation at the University of Pennsylvania where he remained for 19 years.

During World War II, Dr. Bronk served as chairman of aviation medicine research in the Office of Scientific Research and as coordinator of research for the Air Surgeon. For his work in aviation medicine, the United States gave Dr. Bronk a special award and the British gave him the Order of the British Empire.

Since the war, Dr. Bronk has entered new fields of endeavor. He is a member of the United States National Commission for UNESCO, Foreign Secretary of the National Academy of Sciences, and Chairman of the National Research Council. In addition he is a member of the editorial staffs of several scientific journals.

The Arthur D. Little Memorial Lectureship was established in 1944 to honor the founder of Arthur D. Little, Inc. The purpose of the lectures is to promote interest in the social aspects of science. Among the distinguished men who have lectured previously under these auspices is J. Robert Oppenheimer of nuclear physics fame.

## 21 Dorm Men Elected To Dorclan at Meeting

Twenty-one Juniors and Seniors were elected to Dorclan, Honorary dormitory society, on November 7. Members are chosen in recognition of their contribution and interest in Institute extracurricular and dormitory activities, and on the basis of their record for fellowship as residents of the dorms.

Men elected were: Walter L. Allison '50, Gerald S. Burns '51, Robert V. Garvin '50, Frank X. Gleason Jr. '50, Emile F. Harp '50, Andrew T. Ling '50, William R. Lucas '51, Robert W. Mann '50, Daniel L. McGuinness Jr. '50, Edward L. Perkins II, '50, Clarence F. Picard '50, Samuel O. Raymond '51, Joseph E. Regan '50, Ralph F. Romano '51, Donald E. Rose '50, Sanford Sussman '51, James B. Thomas '50, John H. Wetzel '51, Robert S. Goch '51, Charles W. Bostick '50, and Jay M. Bedrick '50.



# The Tech

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## CALENDAR OF EVENTS

### WEDNESDAY, NOVEMBER 16

Faculty. Meeting. Huntington Hall, Room 10-250, 3:15 p.m.  
 Electrical Engineering Department. Staff Colloquium: "Servomechanisms Laboratory." Dr. Gordon S. Brown. Room 10-275, 4:00 p.m.  
 Mathematics Department. Seminar: "Applications of Statistical Methods to Differential and Integral Equations." Professor Mark Kac, Cornell University. Room 2-229, 4:00 p.m.  
 Metallurgy Department. Colloquium: "Alloys of High Thermoelectric Power." Dr. Maria Telkes. Room 2-390, 4:00 p.m.  
 Mathematics Society. "Elementary Comments on the Algebra of Logic." Harry L. Reed. Room 4-370, 5:00 p.m.  
 Tech Model Aircrafter's. Business Meeting. du Pont Room, Building 33, 5:00 p.m.  
 Intervarsity Christian Fellowship. Bible study and group discussion. Room 5-204, 5:05 p.m.  
 American Foundrymen's Society. "The Design, Construction, and Operation of a Mechanized Foundry." C. O. Bartlett, Bartlett and Snow Engineers. Dinner meeting. Building 35, 5:30 p.m.  
 Interfraternity Conference. Monthly dinner meeting. Smith House, 5:45 p.m.  
 Richard C. MacLaurin Lodge. Meeting, 5:30 p.m.; dinner, 6:30 p.m.  
 Masonic Temple, 1950 Massachusetts Avenue, Cambridge. All Masons at M.I.T. are cordially invited to attend.  
 Chemistry Department. Harvard-M.I.T. Physical Chemistry Colloquium: "Mechanism of Acid-Base Catalysis." Dr. Charles G. Swain. Mallinckrodt B-23, Harvard University, 8:00 p.m.

### THURSDAY, NOVEMBER 17

Naval Architecture and Marine Engineering Department. "The Battle of Midway." Captain Samuel E. Morison, USNR, Jonathan Trumbull Professor of American History, Widener Library, Harvard University. Room 3-270, 10:00 to 11:00 a.m.  
 Faculty Club. Luncheon meeting: "Science and Technical Progress." Dr. Jerrold R. Zacharias. Campus Room, Graduate House, 12:00 noon.  
 Management Association. Members are invited to the Governors' Session of the 25th New England Conference. John Hancock Hall, 2:00 to 4:30 p.m. Transportation will be provided.  
 Civil and Sanitary Engineering Department. Seminar: "The Boston Central Artery." Dr. John B. Wilbur. Room 1-390, 4:00 p.m.  
 Mathematics Department. Seminar: "Applications of Statistical Methods to Differential and Integral Equations." Professor Mark Kac. Room 2-229, 4:00 p.m.  
 Physics Department. Colloquium: "Quantum Calculations of Crystal Energies." Dr. John C. Slater. Room 6-120, 4:30 p.m.  
 Debating Society. Debate with Harvard: "Resolved: That Communist Party Members Should be Barred from College Teaching Positions." Room 4-270, 5:00 p.m.  
 Silver Club. Dinner meeting. Silver Room, Walker Memorial, 6:00 p.m.

### FRIDAY, NOVEMBER 18

Student Placement Bureau. "The M.I.T. Placement Bureau and What it Does for Students and Alumni." Nathaniel McL. Sage, Placement Director; Professor Carlton E. Tucker, Student Placement Officer; and Mrs. J. A. Yates, Alumni Placement. All February and June 1950 candidates in all courses and for all degrees are invited to attend this lecture. Room 10-250, 2:00 p.m.  
 Biology Department. Colloquium: "Recent Developments Pertaining to the Dynamic State of Tissue Proteins." Dr. I. D. Franz, Jr. and Dr. P. C. Zamecnik, Massachusetts General Hospital. Room 10-275, 4:00 p.m.  
 Lecture Series Committee. "How Much Welfare Can We Legislate?" Senator Ralph E. Flanders of Vermont, a member of the M.I.T. Corporation. Room 10-250, 4:00 p.m.  
 Mathematics Department. Seminar: "Applications of Statistical Methods to Differential and Integral Equations." Professor Mark Kac. Room 2-229, 4:00 p.m.  
 Mechanical Engineering Department. Seminar: "Interaction of Shock Waves and Boundary Layers." Frank W. Barry. Room 3-470, 4:00 p.m.  
 Economics and Social Science Department. Graduate Economics Seminar: Senator Ralph E. Flanders will be guest speaker. Litchfield Lounge, Walker Memorial, 8:00 p.m.

### SATURDAY, NOVEMBER 19

Modern Languages Department. Graduate language examinations: French and Russian, 10:00 to 12:00 a.m., Room 1-245; German, 2:00 to 4:00 p.m., Room 3-440.  
 Westgate Cooperative Nursery School. Encyclopedia Britannica films for children, who must be accompanied by an adult. Room 10-250, 10:30 a.m. Proceeds to benefit nursery school.  
 Bridge Club. Master Point Tournament. Dining Hall, New Dormitory, 1:30 p.m.  
 Station WMIT. Broadcast from Junior Promenade. Music by Brad Kent and his orchestra. Morss Hall, Walker Memorial, 11:00 to 11:30 p.m.

### MONDAY, NOVEMBER 21

Technology Dames. "Drama of Decorating." Gladys Reed Edling. The Matrons will be guests. Emma Rogers Room, 2:30 p.m.  
 Mathematics Department. Seminar: "Applications of Statistical Methods to Differential and Integral Equations." Dr. M. D. Donsker, Cornell University. Room 2-229, 4:00 p.m.  
 American Institute of Electrical Engineers—Institute of Radio Engineers. "Boston Dials Long Distance." Wynn Potter, New England Telephone & Telegraph Company. Room 6-120, 5:00 p.m.

### TUESDAY, NOVEMBER 22

Technology Matrons. The Bridge Group. At the home of Mrs. Percy Lund, 93 Nonantum Street, Newton, 1:00 p.m.  
 Student Placement Bureau. "How to Get a Job and How to Interview." Professor Arthur L. Townsend, Placement Adviser, Department of Mechanical Engineering. Room 10-250, 3:00 p.m. This lecture will be repeated on November 25.  
 Mechanical Engineering Department. Coffee party for sophomores and faculty members of the department. Emma Rogers Room, 4:00 to 6:00 p.m.  
 Musical Clubs. MESSIAH rehearsal. Room 2-190, 7:30 p.m.

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## Reviews & Previews

One Broadway critic, famous for looking down his nose and seeing the world through rose-colored nostrils, used as his most harsh epithet against the lowliest performances the term, "college stuff." Although the Dramashop's presentation of *Three Men On A Horse* didn't sink low enough to deserve so severe a criticism, the play was nothing more nor less than "college stuff."

There was no doubt that the plot was excellent, and that the author and some of the actors would go places—though probably not to the same places.

All the trouble for which various people paid a buck twenty to see, revolved about a meek greeting-card poet, Erwin Trowbridge, who handicaps the races as a hobby. His brother-in-law, Clarence Dobbins (David Newton), becomes very much annoyed; because he consistently picks winners but refuses to play them. After a family spat Erwin attempts to forget his sorrows in an alcoholic spree, and as a result falls in the hands of three avid horse players who have been in an unusual streak of bad luck. Clarence, always suspicious of his brother-in-law's motives, suspects that Erwin has cleaned up on the races and flown the coop.

Joan Taylor plays her part well as the worried and confused Mrs. Trowbridge. Erwin's boss, who thinks that his underpaid employee has been stolen by a rival greeting-card concern, appears in the cast; and this added to the flurry of reporters, suspicious neighbors, and Erwin's temperamental personality give sufficient backdrop to make a riotous story. It is unfortunate that the actors contributed so little to what could have been a successful play.

David Newton, as Erwin, varied his emotions and voice action as much as an FM hum, but he did

## AFTER HOURS

### AROUND TECH

FRIDAY, NOVEMBER 18  
 Lecture Series Committee — Senator Flanders—10:20—4 p.m.  
 Junior Prom—First Night Statler Hotel—Formal—Described as Heaven. Elliot Lawrence's Orchestra.  
 SATURDAY, NOVEMBER 19  
 Junior Prom—Second Night—Morss Hall, Walker Memorial (supposed to be h—) — Informal Brad Kent's Orchestra.

### SPORTS

TUESDAY, NOVEMBER 15  
 Professional Basketball — Baltimore Bullets vs. Boston Celtics — Boston Garden.  
 THURSDAY, NOVEMBER 17  
 Professional Basketball — Indianapolis vs. Boston — Boston Garden—8:00 p.m.  
 SATURDAY, NOVEMBER 19  
 Football — B.U. vs. St. Bonaventure Fenway Park—2:00 p.m.

### ON STAGE

The Man Who Came to Dinner—Monty Woolley adequately fulfills the riotous role of the sarcastic Whiteside. Woolley's remarks are priceless and if you've seen him before it's well worth the two dollars to hear him again. Opens November 21, at the Plymouth. Two weeks only.

The Closing Door—Pre-Broadway engagement of Alexander Knox's melodrama. At the Wilbur Theater. Play described as "psychological drama."

A Night In Spain—Opens at the Shubert, November 21. This musical runs for two weeks with prices from \$1.20 to \$4.20.

Blossom Time—Still at the Opera House. Romberg's musical based on the life of Franz Schubert.

### ON SCREEN

Spring In Park Lane — A musical comedy starring Anna Neagle and Michael Wilding. At the Majestic Theater.  
 A Place of One's Own—Another Rank production at the Exeter with James Mason and Margaret Lockwood.

do a good job acting confused and scared. Hot and cold performances were turned in by Frankie and Charlie, the horse players, and their gal, Mabel, while Clarence, Roy Weinstein as a wisecracking bartender called Harry, and Patsy, another horse player, were excellent.

To the average theater goer, who attends a play for enjoyment rather than for criticism, the play was a success. If laughter and applause can be considered a suitable method to judge the response of an audience, *Three Men On A Horse*, was enthusiastically received.

## E.E. Department Adds Third Dome to Growing Family

"Hey, what's that?" "Look!"

Technology has a baby dome! Have you looked over Building 4? It's there, just as plain as day—at night it's illuminated by one of the Institute's giant spotlights. About twelve feet in diameter and 14 feet high, the baby dome has been in possession of third place in the Who's Who of Technology domes (not dames) since early 1946.

What is this grey intruder doing there? What are the mazes of wires that lead into and out of it for?

During the war when Technology was running the Radar School in Boston it was found necessary to test antennae continuously. This involved standing outside in all sorts of weather. So, to avoid the unpleasantness of the job, and lower the rate of absence, several such domes were constructed of thin plywood and used as testing rooms for the antennae.

In 1945 the enthused electrical engineering department finally secured the permission of Buildings and Power to construct on the main buildings petite Technology dome No. 3.

As it now stands, the dome is for the use of all members of the communications laboratory, and graduate students. It is also being used in a classified research project for the Army Ordnance Department, in connection with the new research laboratory of electronics.

The housing is equipped with not only all facilities for housing the antennae but also many types of equipment for studying the radiation patterns produced by the antennae.

Enthusiastic crowds of students are requested to refrain from flocking to the new dome, as she, like all Technology domes, is not to be tampered with.

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## Harriers Place 10th In N. E. Title Meet

### Black, Rhode Island, Win; Frosh Finish 9th

Anyone who might have entertained hopes that Tech's cross-country team would come through with a spectacular upset victory last Monday in the New England Championships was doomed to disappointment. The Techmen finished tenth in a field of thirteen as Bob Black and his Rhode Island teammates maintained their monopoly of the title. It was the fourth straight victory for Black and the sixth in a row for the Rams. Bill Nicholson crossed the line first among the Tech runners, finishing 26th in a field of 119.

The Freshman team also finished well back, placing ninth in a field of eleven. Carl Swanson, coming in 32 out of 96 starters. Team honors went to Brown. The Harriers will close their season next Monday in New York in the IC4A championships.

Scores:  
Varsity: Nicholson, 26; Olney, 38; Belton, 46; Holland, 47; Simpson, 53. Total score 210, also ran: Lobo, 59; Hunt, 69.  
Freshmen: Swanson, 32; Towne, 41; O'Donnell, 43; Eglowstein, 60; Grenier, 66. Total 242; also ran: Grenier, 67; Potter 70.

## Court Tourney Gets Under Way

Action in the intramural basketball tournament got under way last week, and will continue through December 20. More than 40 teams in six leagues are competing for the title won for the past two years by Theta Chi.

Games take place on Monday through Thursday, from 5 to 7 at the Armory and from 7:15 to 9:30 in Walker Gym. Last week's results are as follows:

League I:  
SAE 2, Lenox Club 0 (forfeit)  
Phi Kappa Sigma 37, Beta Theta Pi 15  
Theta Delta Chi 17, Delta Psi 13  
League II:  
Theta Chi 40, Delta Tau Delta 18  
Pegis Club 44, Walker 28  
New Dorm A 21, Phi Kappa 19  
League III:  
Pi Lambda Phi 1, SAM 26  
Phi Delta Theta 29, Lambda Chi Alpha 28  
League IV:  
Graduate House 2, Agenda 0 (forfeit)  
Phi Mu Delta 43, Delta Upsilon 33  
League V:  
Sigma Nu 36, Sigma Chi 22  
Senior House A 26, Theta Xi 16  
League VI:  
Phi Sigma Kappa 34, ATO 18  
5:15 Club 34, Alpha Club 25  
Chinese Club 43, Student House 32  
Next week's schedule: (League numbers in parentheses)  
Tuesday, Nov. 15  
SAE vs. Beta Theta Pi (I)  
Theta Chi vs. Walker (II)  
Pi Lambda Phi vs. Phi Delta Theta (III)  
Graduate House vs. Delta Upsilon (IV)  
Kappa Sigma vs. Chi Phi (V)  
Phi Sigma Kappa vs. 5:15 Club (VI)  
Wednesday, Nov. 16  
Theta Delta Chi vs. New Dorm D (I)

## Movies In Color Feature Ski Rally

Color movies will feature the ski rally to be held tomorrow afternoon at 5:00 p.m. in Room 10-250. All those interested in the sport are urged to attend.

The movies will depict skiing scenes in the Rocky Mountains and Canada.

Because of bad snow conditions the ski team could hold only one meet last year, with Tech winning all four events to defeat Harvard, Williams, Yale, and Norwich. This season the squad has been invited to compete in the Dartmouth Ski Carnival, the Intermediate I.S.U. Championships, and the Harvard Giant Slalom, as well as other events.

Anchoring the team will be Capt. Jack Bent and jumper Per Smith, along with Jack Aall, Knut Kloster, and Andy Wessell. With plenty of good recruits, the prospects for the season look bright.

Phi Kappa vs. New Dorm E (II)  
SAM vs. Lambda Chi Alpha (III)  
Agenda vs. Phi Mu Delta (IV)  
Thursday, Nov. 17  
Delta Psi vs. Munroe-Hayden (I)  
New Dorm A vs. Sr. House B (II)  
Phi Gamma Delta vs. Barracks A (III)  
New Dorm B vs. Goodale (III)  
DeKes vs. Barracks B (IV)  
New Dorm C vs. Bemis (IV)  
Monday, Nov. 21  
SAE vs. Phi Kappa Sigma (I)  
Theta Chi vs. New Dorm A (II)  
Phi Gamma Delta vs. SAM (III)  
DeKes vs. Bemis (IV)  
Sr. House A vs. Sigma Nu (V)  
Chinese Club vs. 5:15 Club (VI)

## Brown Edges Beaver Booters By 2-1 Count; Frosh in Scoreless Tie

### Riflemen To Open Season Tomorrow Against Boston U.

Tech's varsity riflemen will seek their first intercollegiate victory tomorrow against the B.U. Terriers. Only two men were lost from last year's team which won nine of eleven matches, captured the First Army Area R.O.T.C. Championship, and placed second in the New England League.

A flood of talented sophomores from last year's freshman team are making the competition hot for berths on the regular squad. Five sophomores will be included on the team which meets B.U. Wednesday. They are A. Tanner, S. Zartarian, A. Turner, D. Hartung, and J. K. Worley. The remainder of the team will be regulars M. Stuart, C. MacDonald, J. Champeny, and co-captains J. Corwin and J. Robertson.

The schedule:  
November 16 Boston U.  
December 3 Harvard  
9 at Dartmouth  
10 at Norwich  
10 at U. of Vermont  
16 Boston College  
January 7 U. of New Hampshire  
14 U. S. Military Academy, Cornell and U. of Maryland  
February 11 Maine  
13 at Yale  
16 at N.Y.U. and C.C.N.Y.  
16 at Columbia  
17 at Princeton  
17 at Rutgers  
18 at Georgetown  
18 at George Washington U.  
25 at W.P.I.  
March 4 Bowdoin  
11 N.E.L. Semi-Finals  
17 Columbia, Harvard, and Georgetown  
18 N.E.L. Finals  
23, 24 at New York, Metropolitan Intercollegiate  
April 1 Intercollegiate  
\* Final arrangements not yet completed.

Breaking a 1-1 tie in the final six minutes of the game, Brown's booters defeated the Engineer eleven last Wednesday at Briggs field. The Beavers went all out in the last few minutes but were not able to make good their attempts. The entire game was played without the services of Captain Dimitriou who was sidelined because of an injury suffered in Saturday's game with the University of Connecticut.

As the end of the first period approached Leach of Brown was able to get one by Silveston and put the Bears out in front 1-0. After fifteen minutes of the second period had passed, Harry Falcao tied up the game for Tech.

Score Tied  
For two periods the teams then played tight ball and neither was able to score until, with six minutes remaining in the game, Leach again put a good kick by Silveston to give Brown the margin of victory.

In a frosh game neither team was able to hit the nets and the game ended as a scoreless tie. In recent games the frosh have looked better in each game and should have some good material for the future varsity teams.

Meet Harvard Today  
In the final soccer meet of the season the frosh and varsity will head up river to meet the Harvard booters this afternoon. The engineers will be out to defeat their annual rivals this year after losing for the past few years.

Starting lineups:	
MIT	Varsity
Silveston	Pos.
Thornton	G
Barcinski	RFB
Akcaharman	LFB
Haegler	RHB
Tarinelli	CHB
Austen	LHB
Seub	OR
Moran	IR
Rahmatallah	CF
Falcao	IL
	OL
Freshmen	
MIT	Pos.
Parry	G
Buckman	RFB
De La Vega	LFB
Sukhorn	RHB
Beio	CHB
Medal	LHB
Eckart	OR
Arkoab	IR
Villereal	CF
Salan	IL
Gonzales	OL
Brown	
Scheffler	Pos.
Green	G
Groth	RFB
Scott	LFB
Michael	RHB
Kruger	CHB
Wieboldt	LHB
Silva	OR
Michael	IR
Bartunek	CF
Leach	IL
	OL

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## Sen. Flanders To Discuss Welfare

Vermont Republican Will Speak On Friday

Ralph E. Flanders, Republican Senator from Vermont and member of the Institute Corporation, will speak on Friday, November 18, at 4:00 p.m. in 10-250. He will pose the question, "How Much Welfare Can We Legislate?"

Senator Flanders was elected from Vermont in November, 1946, after a career in industry and public service, which began at the age of 17, as a machinist's apprentice and draftsman in Providence and Woonsocket. Made director and manager of the Jones & Lamson Machine Company in Springfield, Vermont, in 1912, he was chosen president in 1933. Since 1946 he has been president also of the American Research and Development Corporation. In 1944-46 he was president of the Federal Reserve Bank of Boston, and for several years before going to the U. S. Senate served as chairman of the research committee and trustee of the Committee for Economic Development. He was vice president of the American Engineering Council in 1937, and received their Hoover Medal, and the Edward Longstreth Medal of the Franklin Institute.

## Scandinavia Report

(Continued from Page 1)

year's program in advance. Exporters plan year's program in advance. These two programs agree perfectly!

### Industry and Productivity

We saw a unique process for making pig iron out of iron scraps in a rotary kiln in Aalborg. It is not known in the United States, and is just being developed. It may be a good industry some day in some countries, for besides the pig iron from scrap (impossible in a blast furnace), they can also manufacture cement in the same process from the slag.

Productivity is perhaps equal to Finland, lower than Sweden, and higher than Norway. Due to lack of production control methods, time and motion study, employee education, and mechanization, the productivity of the workers in Denmark is naturally much lower than at home.

To be continued next Tuesday



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## Calendar of Events

(Continued from Page 2)

Arthur D. Little Memorial Lecture. "The Unity of the Sciences and the Humanities." Dr. Detlev W. Bronk, President of Johns Hopkins University. Morss Hall, Walker Memorial, 8:30 p.m.

### SPECIAL LECTURE

General Frank L. Howley, until recently commanding American forces in Berlin, will give the first lecture in the fall Division of Humanities Series at 4:00 p.m. on Tuesday, November 29, in Huntington Hall. The subject of the lecture is "Fear for Breakfast."

### EXHIBITIONS

The exhibition entitled "American Textiles, '48" will be on display in Lobby of Building 7 through November 25.

Building 7 is also the scene of an exhibition which includes selections from the Libraries and Museums of M.I.T. and will remain there through November 25.

Photographs from the Bay State Flying Club of Boston, taken from the air and from the ground, are being shown in Basement of Building 11 until November 20. Salon prints by Mrs. Gisela A. Ellis of Waban, Mass. will be exhibited by the Photographic Service from November 21 through December 11.

### CALENDAR OF EVENTS

The Calendar of Events is published weekly on Tuesday in THE TECH, and contains announcements for the following week. It is sent without charge to all members of the staff, heads of D.I.C. projects as well as to the leaders of various organizations. A separate listing of the Calendar of Events will be mailed to others for one dollar a year, payable in advance at Room 7-204.

Announcements, typewritten and signed, must be in the Office of the Editor, Room 7-204, not later than noon on Thursday, prior to publication date. Material for the Calendar, November 23-29, is due November 17.

## Theta Chi Upset, Sigma Chi Wins 2

Tech's intramural football league swung into the round robin playoff to determine a tournament champion last weekend, with several upsets taking place.

In League II's playoff Sigma Chi smashed Phi Delta Theta 18-7 for League II honors. In another game S.A.E., League III champs, outlasted Grad House A, winner in League IV, 18-13. In Sunday's game, Sigma Chi upset defending champion Theta Chi 12-7.

Saturday, November 19  
Theta Chi vs. Sigma Alpha Epsilon  
Sigma Chi vs. Grad House A

Sunday, November 20  
Theta Chi vs. Grad House A  
Sigma Chi vs. Sigma Alpha Epsilon

## Bridge Opening

(Continued from Page 1)

took the band to play two choruses of "The Stars and Stripes Forever."

An interesting comment on the proficiency of the Boston papers was the reception given to the celebration by the local scribes. Headlines ranged from "Harvard Bridge Has Hilarious Opening" (Globe) to "Tech Riot Mars Opening of Bridge" (Post). The demonstration was fairly orderly until about 11 p.m. when returning students began placing obstacles in the road (including themselves) in an attempt to close the bridge again. Irresponsible elements in the crowd and the usual tact and diplomacy of the MDC caused a few incidents; fortunately none serious.

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